

Abstract

The present invention relates to a driving device for a scanning module. An active gear wheel and a passive gear wheel are disposed respectively on two rigid frames. These two rigid frames are connected by a rigid component to avoid relative displacement between the two wheels due to external force or change of temperature. A spring is disposed on the rigid component to adjust the position of the passive gear wheel while the active gear wheel stays still. It allows the driving belt to automatically offset the strain according to its fatigue condition. The rigid component of the present invention may also be adopted as a guiding track for the scanning module.